

A1  
2/5/02  
21

1. (Amended) A method for analyzing a gas sample, comprising:  
providing a gas sample or converting a sample to a gas sample;  
increasing pressure applied to the gas sample to compress the sample to a smaller volume  
and provide a pneumatically focused gas sample; and  
analyzing the pneumatically focused gas sample by gas chromatography.

A2

17. (Amended) The method according to claim 1 where analyzing the pneumatically focused sample comprises reducing the pressure of the carrier-pneumatic focusing gas simultaneously with or subsequent to a pneumatically focused sample being injected onto a separatory column.

A3

31. (Amended) The method according to claim 1 where analytes from the pneumatically focused sample are determined by a detector selected from the group consisting of FID, IR, FTIR, NDIR, ECD, TCD, NPD, FPD, UV/Visible detectors and combinations thereof.

A4

37. (Amended) A method for analyzing an air sample, comprising:  
collecting an air sample;  
increasing the pressure of the sample to a pressure of from about 100 psi to about 15,000 psi to pneumatically focus the air sample; and  
analyzing the pneumatically focused sample in real time using a gas chromatograph.

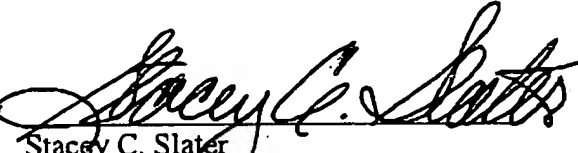
A5  
See 2/5/02

73. (Amended) The method according to claim 72 and providing the sample to a column within a period of less than about 1 second.

74. (Amended) The method according to claim 73 and providing the sample to a column within a period of less than about 1 millisecond.

Respectfully submitted,

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